CLAIMS

What is claimed is:

1. A strapping machine configured to feed a strapping material around a load, position, tension and seal the strapping material around the load, the strapping machine comprising:

a machine frame;

a work surface for supporting the load in the strapping machine, the work surface mounted to the frame;

leg assemblies mounted to the frame for supporting the work surface above a floor;

a strap chute for carrying the strap around the load and for releasing the strap material from the strap chute;

a feed assembly configured to convey the strap around the strap chute and to retract and tension the strap around the load; and

a weld head for sealing the strap to itself,

the frame being mounted to the leg assemblies by first and second height adjustment assemblies, each configured to raise and lower a portion of the work surface relative to a fixed portion of the leg assemblies, each height adjustment assembly including a pair of adjusting rods lying along a respective side of the frame, at adjacent corners of the work surface, the adjusting rods operably connecting the work surface and the leg assemblies, each adjusting rod being secured to the leg assemblies by a support to restrain longitudinal movement and to provide rotational freedom relative to the leg assemblies and the frame, each adjusting rod being engaged with an engaging member longitudinally movable along the adjusting rod, the engaging member being mounted to the frame such that rotation of the adjusting rod raises or lowers the work surface relative to the leg assemblies.

2. The strapping machine in accordance with claim 1 wherein the work surface has a generally rectangular shape and wherein the two height adjustment assemblies are each disposed at opposing sides of the work surface.

3. The strapping machine in accordance with claim 2 wherein the adjusting rods of each pair of adjusting rods are operably connected to one another such that rotation of one of the pair of rods rotates the other of the pair of rods.

4. The strapping machine in accordance with claim 3 wherein each adjusting rod includes a sprocket and wherein the sprockets are operably connected to one another by chain.

5. The strapping machine in accordance with claim 1 wherein the adjusting rods are accessible for rotation though respective openings in the work surface.

6. The strapping machine in accordance with claim 1 wherein the adjusting rods are formed having helical threads and wherein the engaging members are internally threaded bodies.

7. The strapping machine in accordance with claim 6 wherein the internally threaded bodies are bronze nuts.

8. The strapping machine in accordance with claim 1 including a height indicator, the height indicator including at least one scale on the frame associated with each height adjusting assembly and an indicator mounted on a respective leg assembly for cooperation with its associated scale.

9. The strapping machine in accordance with claim 8 including a pair of height indicators, one associated with each of the first and second height adjustment assemblies, wherein each of the height indicators includes a scale on the frame and an indicator mounted on a respective leg assembly for cooperation with its associated scale.

10. The strapping machine in accordance with claim 8 wherein the frame includes a slot formed therein for each of the height indicators and wherein the height indicators extend through their respective slots for cooperation with their associated scales.

11. The strapping machine in accordance with claim 8 wherein the at least one scale is a reverse scale such that a lower indicating number is at a higher position along the scale.

12. A height adjustment assembly for a strapping machine of the type having a frame, a work surface for supporting a load in the strapping machine, which work surface is mounted to the frame, leg assemblies mounted to the frame for supporting the work surface above a floor, and a strap chute for carrying the strap around the load and for releasing the strap material from the strap chute, the height adjustment assembly comprising:

first and second height adjustment assemblies mounting the frame to the leg assemblies, each of the height adjustment assemblies configured to raise and lower a portion of the work surface relative to a fixed portion of the leg assemblies, each height adjustment assembly including a pair of adjusting rods lying along a respective side of the frame, at adjacent corners of the work surface, the adjusting rods operably connecting the work surface and the leg assemblies, each adjusting rod being secured to the leg assemblies by a support to restrain longitudinal movement and to provide rotational freedom relative to the leg assemblies and the frame, each adjusting rod being engaged with an engaging member longitudinally movable along the adjusting rod, the engaging member being mounted to the frame such that rotation of the adjusting rod raises or lowers the work surface relative to the leg assemblies.

13. The height adjustment assembly in accordance with claim 12 wherein the adjusting rods of each pair of adjusting rods are operably connected to one another such that rotation of one of the pair of rods rotates the other of the pair of rods.

14. The height adjustment assembly in accordance with claim 13 wherein each adjusting rod includes a sprocket and wherein the sprockets are operably connected to one another by chain.

15. The height adjustment assembly in accordance with claim 12 wherein the adjusting rods are formed having helical threads and wherein the engaging members are internally threaded bodies.

16. The height adjustment assembly in accordance with claim 15 wherein the internally threaded bodies are bronze nuts.

17. The height adjustment assembly in accordance with claim 12 including a height indicator, the height indicator including at least one scale on the frame associated with each height adjusting assembly and an indicator mounted on a respective leg assembly for cooperation with its associated scale.

18. The height adjustment assembly in accordance with claim 17 including a pair of height indicators, one associated with each of the first and second height adjustment assemblies, wherein each of the height indicators includes a scale on the frame and an indicator mounted on a respective leg assembly for cooperation with its associated scale.

19. The height adjustment assembly in accordance with claim 17 wherein the frame includes a slot formed therein for each of the height indicators and wherein the height indicators extend through their respective slots for cooperation with their associated scales.

20. The strapping machine in accordance with claim 17 wherein the at least one scale is a reverse scale such that a lower indicating number is at a higher position along the scale.